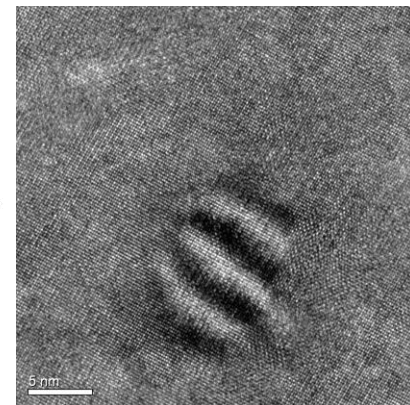
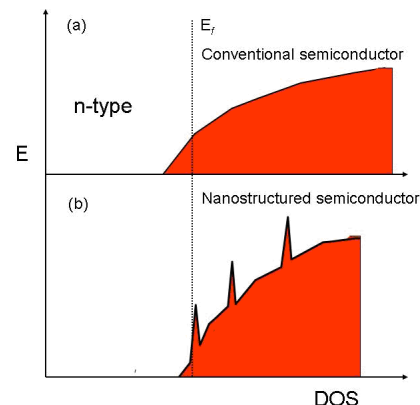




The **Center for Revolutionary Materials for Energy Conversion** will focus on the fundamental science of thermoelectricity. It will combine experimental, theoretical, and computational approaches to synthesize, characterize, and understand the nature of the thermoelectric energy conversion process.



RESEARCH PLAN AND DIRECTIONS

- **Challenges:** create “contraindicated” properties in solids
- **Approaches:** synthesis of novel structures, compounds, and alloys; computational and theoretical investigations
- **Uniqueness:** nanoscience, self-assembly of nanostructures, laser-enhanced tomography of nanostructure, first-principles calculations
- **Outcomes:** deeper understanding of thermoelectric energy conversion